

EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTTTTTTTTTTTTTTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEEEEEEEEEEEEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEE	DDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT
EEEEEEEEEEEEEEEE	DDDDDDDDDDDDDD	TTT

```
LL      FFFFFFFF      CCCCCCCC      000000      UU      UU      NN      NN      TTTTTTTTTT
LL      FFFFFFFF      CCCCCCCC      000000      UU      UU      NN      NN      TTTTTTTTTT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NNNN      NN      TT
LL      FFFFFFFF      CC      00      00      UU      UU      NNNN      NN      TT
LL      FFFFFFFF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LL      FF      CC      00      00      UU      UU      NN      NN      TT
LLLLLLLLLL      FF      CCCCCCCC      000000      UUUUUUUUUU      NN      NN      TT
LLLLLLLLLL      FF      CCCCCCCC      000000      UUUUUUUUUU      NN      NN      TT
                                         ....
                                         ....
                                         ....

LL      IIIIII      SSSSSSSS
LL      IIIIII      SSSSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SSSSSS
LL      II      SSSSSS
LL      II      SS
LL      II      SS
LL      II      SS
LL      II      SS
LLLLLLLLLL      IIIIII      SSSSSSSS
LLLLLLLLLL      IIIIII      SSSSSSSS
```

```
0001 0 %TITLE 'EDT$LF COUNT - type a message with a count'
0002 0 MODULE EDT$LF COUNT (
0003 0 IDENT = 'V04-000'
0004 0 ) =
0005 1 BEGIN
0006 1
0007 1 *****
0008 1 *
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0026 1 *
0027 1 *
0028 1 *****
0029 1
0030 1
0031 1 ++
0032 1 FACILITY: EDT -- The DEC Standard Editor
0033 1
0034 1 ABSTRACT:
0035 1
0036 1 This module writes out that portion of a line mode message
0037 1 giving a count.
0038 1
0039 1 ENVIRONMENT: Runs at any access mode - AST reentrant
0040 1
0041 1 AUTHOR: Bob Kushlis, CREATION DATE: February 3, 1978
0042 1
0043 1 MODIFIED BY:
0044 1
0045 1 1-001 - Original. DJS 02-FEB-1981. This module was created by
0046 1 extracting the routine EDT$SFMT_STRCNT from the module EXEC.BLI.
0047 1 1-002 - Regularize headers. JBS 19-Mar-1981
0048 1 1-003 - Make it work for 32 or 48 bits so pass count pointer. SMB 5-Feb-1982
0049 1 1-004 - Change "division" to a routine call. SMB 11-Feb-1982
0050 1 1-005 - Modify to use new compare macro. STS 20-Oct-1982
0051 1 1-006 - Improve the appearance of the listing. JBS 14-Jun-1983
0052 1 --
0053 1
```


EDT\$LF COUNT
V04-000

EDT\$LF COUNT - type a message with a count
Declarations

L 15
16-Sep-1984 00:49:19
14-Sep-1984 12:23:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LF COUNT.BLI;1 Page 2
(2)

```

55 0054 1 %SBTTL 'Declarations'
56 0055 1
57 0056 1 | TABLE OF CONTENTS:
58 0057 1 |
59 0058 1
60 0059 1 REQUIRE 'EDTSRC:TRAROUNAM';
61 0498 1
62 0499 1 FORWARD ROUTINE
63 0500 1 EDT$SFMT_STRCNT : NOVALUE;
64 0501 1 ! Format a count for printing
65 0502 1
66 0503 1 | INCLUDE FILES:
67 0504 1 |
68 0505 1
69 0506 1 REQUIRE 'EDTSRC:EDTREQ';
70 0641 1
71 0642 1 |
72 0643 1 | MACROS:
73 0644 1 |
74 0645 1 | NONE
75 0646 1
76 0647 1 | EQUATED SYMBOLS:
77 0648 1 |
78 0649 1 | NONE
79 0650 1
80 0651 1 | OWN STORAGE:
81 0652 1 |
82 0653 1 | NONE
83 0654 1
84 0655 1 | EXTERNAL REFERENCES:
85 0656 1 |
86 0657 1 | In the routine
```

EDT\$LF COUNT
V04-000

EDT\$LF COUNT - type a message with a count
EDT\$\$FMT_STRCNT - type a message with a count

M 15
16-Sep-1984 00:49:19
14-Sep-1984 12:23:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LF COUNT.BLI;1
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```

88 0658 1 %SBTTL 'EDT$$FMT_STRCNT - type a message with a count'
89 0659 1
90 0660 1 GLOBAL ROUTINE EDT$$FMT_STRCNT (
91 0661 1     N,
92 0662 1     S,
93 0663 1     L
94 0664 1 ) : NOVALUE =
95 0665 1
96 0666 1 ++
97 0667 1 FUNCTIONAL DESCRIPTION:
98 0668 1
99 0669 1     This routine writes out the portion of a message giving a count.
100 0670 1     The count can be 48 bits long or less
101 0671 1
102 0672 1 FORMAL PARAMETERS:
103 0673 1
104 0674 1     N           the count pointer, which is written as a decimal number unless it
105 0675 1                 is zero, in which case it is written as 'No'
106 0676 1
107 0677 1     S           a pointer to a string of characters which is written after the count,
108 0678 1                 followed by an 's' unless the count is exactly 1.
109 0679 1
110 0680 1     L           the length of the sting pointed to by S.
111 0681 1
112 0682 1 IMPLICIT INPUTS:
113 0683 1
114 0684 1     EDT$$L_LNO_ZERO
115 0685 1     EDT$$L_LN00-14
116 0686 1
117 0687 1 IMPLICIT OUTPUTS:
118 0688 1
119 0689 1     NONE
120 0690 1
121 0691 1 ROUTINE VALUE:
122 0692 1
123 0693 1     NONE
124 0694 1
125 0695 1 SIDE EFFECTS:
126 0696 1
127 0697 1     NONE
128 0698 1
129 0699 1 --
130 0700 1
131 0701 2 BEGIN
132 0702 2
133 0703 2 EXTERNAL ROUTINE
134 0704 2     EDT$$LDIV,
135 0705 2     EDT$$FMT_CH,
136 0706 2     EDT$$FMT_DCML,
137 0707 2     EDT$$FMT_STR;
138 0708 2
139 0709 2 EXTERNAL
140 0710 2     EDT$$L_LN00 : LNOVECTOR [14],
141 0711 2     EDT$$L_LNO_ZERO : LN_BLOCK;
142 0712 2
143 0713 2 LOCAL
144 0714 2     DIGIT,
```

EDT\$LF COUNT
V04-000

EDT\$LF COUNT - type a message with a count
EDT\$\$FMT_STR CNT - type a message with a count

N 15
16-Sep-1984 00:49:19
14-Sep-1984 12:23:33

VAX-11 Bliss-32 V4.0-742
DISK\$VMSMASTER:[EDT.SRC]LF COUNT.BLI;1
Page 4
(3)

```

145 0715 2      LINNO : LN_BLOCK,
146 0716 2      SIGNIF;
147 0717 2
148 0718 2      +
149 0719 2      Fetch the integer into a local
150 0720 2      -
151 0721 2      MOVE LINE (.N, LINNO);
152 0722 2
153 0723 2      IF (LINNOEQL (EDT$$L_LNO_ZERO, LINNO))
154 0724 2      THEN
155 0725 2      EDT$$FMT_STR (UPLIT ('No'), 2)
156 0726 2      ELSE
157 0727 2      BEGIN
158 0728 2      SIGNIF = 0;
159 0729 2      +
160 0730 2      Loop once for each possible digit in the number starting with most
161 0731 2      significant
162 0732 2      -
163 0733 2
164 0734 2      DECR I FROM 14 TO 0 DO
165 0735 4      BEGIN
166 0736 4      EDT$$LDIV (LINNO, DIGIT, .1);
167 0737 4      +
168 0738 4      Write the digit out if the current digit is non-zero or
169 0739 4      we have seen a previous non zero digit
170 0740 4      -
171 0741 4
172 0742 5      IF ((.DIGIT NEQ 0) OR (.SIGNIF NEQ 0))
173 0743 5      THEN
174 0744 5      BEGIN
175 0745 5      EDT$$FMT_CH (.DIGIT + %C'0');
176 0746 5      SIGNIF = .SIGNIF + 1;
177 0747 4      END;
178 0748 4
179 0749 3      END;
180 0750 2
181 0751 2      END;
182 0752 2
183 0753 2      IF (.L NEQ 0)
184 0754 2      THEN
185 0755 2      BEGIN
186 0756 2      EDT$$FMT_STR (.S, .L);
187 0757 2
188 0758 2      IF ( NOT LINNOEQL (.N, EDT$$L_LNOO)) THEN EDT$$FMT_CH (%C's');
189 0759 2
190 0760 2      END;
191 0761 2
192 0762 1      END;
```

! of routine EDT\$\$FMT_SCR CNT

```

.TITLE EDT$LF COUNT EDT$LF COUNT - type a message with a
       count
.IDENT \V04-000\
.PSECT _EDT$CODE, NOWRT, SHR, PIC, 2
       .ASCII \No\<0><0>
```

00 00 6F 4E 00000 P.AAA:

				00FC 00000		.EXTRN	EDT\$\$LDIV, EDT\$\$FMT_CH		
						.EXTRN	EDT\$\$FMT_DCML, EDT\$\$FMT_STR		
						.EXTRN	EDT\$\$L_LN00, EDT\$\$L_LN0_ZERO		
						.ENTRY	EDT\$\$FMT_STRCNT, Save R2,R3,R4,R5,R6,R7		0660
						MOVAB	EDT\$\$FMT_CH, R7		
						MOVAB	EDT\$\$FMT_STR, R6		
						SUBL2	#12, SP		
						MOVCS	#6, @N, LINNO		0721
						CMPL	LOW_1, LOW_2		0723
						BNEQ	1\$		
						CMPL	HIGH_1, HIGH_2		
						BNEQ	1\$		
						PUSHL	#2		0725
						PUSHAB	P.AAA		
						CALLS	#2, EDT\$\$FMT_STR		
						BRB	5\$		
						MOVQ	#14, I		0734
						PUSHL	I		0736
						PUSHAB	DIGIT		
						PUSHAB	LINNO		
						CALLS	#3, EDT\$\$LDIV		0742
						TSTL	DIGIT		
						BNEQ	3\$		
						TSTL	SIGNIF		
						BEQL	4\$		
						ADDL3	#48, DIGIT, -(SP)		0745
						CALLS	#1, EDT\$\$FMT_CH		
						INCL	SIGNIF		0746
						SOBGEQ	I, 2\$		0734
						TSTL	L		0753
						BEQL	7\$		
						MOVQ	S, -(SP)		0756
						CALLS	#2, EDT\$\$FMT_STR		
						ADDL3	#4, N, R0		0758
						CMPL	@N, LOW_2		
						BNEQ	6\$		
						CMPL	(R0), HIGH_2		
						BEQL	7\$		
						MOVZBL	#115, -(SP)		
						CALLS	#1, EDT\$\$FMT_CH		
						RET			0762

; Routine Size: 137 bytes, Routine Base: _EDT\$CODE + 0004

; 193 0763 1
; 194 0764 1 !<BLF/PAGE>

EDT\$LF COUNT
V04-000

EDT\$LF COUNT - type a message with a count
EDT\$\$FMT_STRCNT - type a message with a count

C 16
16-Sep-1984 00:49:19
14-Sep-1984 12:23:33

VAX-11 Bliss-32 V4.0-742
DISK\$VM\$MASTER:[EDT.SRC]LF COUNT.BLI;1

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: 196
: 197
: 198
0765 1 END
0766 1
0767 0 ELUDOM

! of module EDT\$LF COUNT

PSECT SUMMARY

Name	Bytes	Attributes
_EDT\$CODE	141	NOVEC,NOWRT, RD , EXE, SHR, LCL, REL, CON, PIC,ALIGN(2)

Library Statistics

File	----- Total	Symbols Loaded	----- Percent	Pages Mapped	Processing Time
_\$255\$DUA28:[EDT.SRC]EDT.L32;1	377	8	2	40	00:00.2
_\$255\$DUA28:[EDT.SRC]PSECTS.L32;1	2	1	50	7	00:00.1

COMMAND QUALIFIERS

BLISS/CHECK=(FIELD,INITIAL,OPTIMIZE)/NOTRACEBACK/LIS=LIS\$:LF COUNT/OBJ=OBJ\$:LF COUNT MSRC\$:LF COUNT.BLI/UPDATE=(ENHS\$:LF COUNT)

: Size: 137 code + 4 data bytes
: Run Time: 00:12.7
: Elapsed Time: 00:16.2
: Lines/CPU Min: 3635
: Lexemes/CPU-Min: 12199
: Memory Used: 90 pages
: Compilation Complete

0135

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 VAX/VMS V4.0

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